RESEARCHES ON POPULATION ECOLOGY

Volume 17

1975-1976

PUBLISHED BY

THE SOCIETY OF POPULATION ECOLOGY

c/o Japan Academic Societies Center
Yayoi 2-4-16, Bunkyo-ku, Tokyo 113, JAPAN

CONTENTS

Davis, D. E.: Endogenous rhythm of population change—An hypothesis ····155

Fujii, K.: A general simulation model for laboratory insect populations I. From cohort of eggs to adult emergences ···· 85

Hagihara, A.: The time sequence of the relation between mean crowding and mean density with some population processes ····224

Iwao, S.: A note on the related concepts 'mean crowding' and 'mean concentration'····240

Kiritani, K. and N. Kakiya: An analysis of the predator-prey system in the paddy field···· 29

Kobayashi, S.: The species-area relation III. A third model for a delimited community ····243

Manly, B. F. J.: Extensions to Kiritani and Nakasuji's method for analysing insect stage-frequency data ····191

Matsura, T., T. Inoue and Y. Hosomi: Ecological studies of a mantid, *Paratenodera angustipennis* DeSaussure I. Evaluation of the feeding condition in natural habitats···· 64

Mertins, J. W., H. C. Coppel and M. G. Karandinos: Potential for suppressing *Diprion similis* (Hymenoptera: Diprionidae) with pheromone trapping: A population model ···· 77

Miura, T., N. Suzuki, M. Nagoshi and K. Yamamura: The rate of production and food consumption of the biwamasu, *Oncorhynchus rhodurus*, population in lake Biwa····135

Murai, M.: Population studies of *Cavelerius saccharivorus* Okajima (Heteroptera: Lygaeidae): A few findings on population interchange···· 51

Murai, M., M. Nagamine and Y. Itô: Estimation of parameters of adult populations of *Mogannia iwasakii* Matsumura (Homoptera: Cicadidae) inhabiting cultivated and natural environments ····211

Nagamine, M., R. Teruya and Y. Itô: A life table of *Mogannia iwasakii* (Homoptera: Cicadidae) in sugarcane field of Okinawa ···· 39

Spight, T. M.: Colors and patterns of an intertidal snail, *Thais lamellosa* ····176

Sullivan, J. A. and P. F. Scanlon: Effects of grouping and fighting on the reproductive tracts of male white-footed mice (*Peromyscus leucopus*)····164

Takafuji, A. and D. A. Chant: Comparative studies of two species of predacious phytoseiid mites (Acarina: Phytoseiidae), with special reference to their responses to the density of their prey····255

Watanabe, M.: A preliminary study on population dynamics of the swallowtail butterfly, *Papilio xuthus* L., in a deforested area ····200

Wellington, W. G., P. J. Cameron, W. A. Thompson, I. B. Vertinsky and A. S. Landsberg: A stochastic model for assessing the effects of external and internal heterogeneity on an insect population ···· 1

CONTENTS